

10 30 50  
CGCCCAGCCGCCCTCCAAGCCCCTGAGGTTTCCGGGGACCACAATGAACAAGTTGCTG  
M N K L L  
70 90 110  
TGCTGCGCGCTCGTGTTTCTGGACATCTCCATTAAGTGGACCACCCAGGAAACGTTTCTCT  
C C A L V F L D I S I K W T T O E T F P  
130 150 170  
CCAAAGTACCTTCATTATGACGAAGAAACCTCTCATCAGCTGTTGTGTGACAAATGTCTCT  
P K Y L H Y D E E T S H Q L L C D K C P  
190 210 230  
CCTGGTACCTACCTAAAACAACACTGTACAGCAAAGTGAAGACCGTGTGCGCCCCCTTGC  
P G T Y L K Q H C T A K W K T V C A P C  
250 270 290  
CCTGACCACTACTACACAGACAGCTGGGCACACCAGTGACGAGTGTCTATACTGCAGCCCC  
P D H Y Y T D S W H T S D E C L Y C S P  
310 330 350  
GTGTGCAAGGAGCTGCAGTACGTCAAGCAGGAGTGCAATCGCACCCACAACCGCGTGTGC  
V C K E L Q Y V K Q E C N R T H N R V C  
370 390 410  
GAATGCAAGGAAGGGCGCTACCTTGAGATAGAGTTCTGCTTGAAACATAGGAGCTGCCCT  
E C K E G R Y L E I E F C L K H R S C P  
430 450 470  
CCTGGATTGAGTGGTGGCAAGCTGGAACCCCGAGAGCGAAATACAGTTTGCAAAAGATGT  
P G F G V V Q A G T P E R N T V C K R C  
490 510 530  
CCAGATGGGTTCTTCTCAAATGAGACGTCATCTAAAGCACCCCTGTAGAAAACACACAAAT  
P D G F F S N E T S S K A P C R K H T N  
550 570 590  
TGCAGTGTCTTTGGTCTCCTGCTAACTCAGAAAGGAAATGCAACACACGACAACATATGT  
C S V F G L L L T Q K G N A T H D N I C  
610 630 650  
TCCGGAAACAGTGAATCAACTCAAAAATGTGGAATAGATGTTACCCTGTGTGAGGAGGCA  
S G N S E S T Q K C G I D V T L C E E A  
670 690 710  
TTCTTCAGGTTTGCTGTTCTCTACAAAGTTTACGCCTAACTGGCTTAGTGTCTTGGTAGAC  
F F R F A V P T K F T P N W L S V L V D  
730 750 770  
AATTTGCCTGGCACCAAAGTAAACGCAGAGAGTGTAGAGAGGATAAAACGGCAACACAGC  
N L P G T K V N A E S V E R I K R Q H S  
790 810 830  
TCACAAGAACAGACTTTCAGCTGCTGAAGTTATGAAACATCAAAACAAAGACCAAGAT  
S Q E Q T F Q L L K L W K H Q N K D Q D  
850 870 890  
ATAGTCAAGAAGATCATCCAAGATATTGACCTCTGTGAAAACAGCGTGCAGCGGCACATT  
I V K K I I Q D I D L C E N S V Q R H I  
910 930 950  
GGACATGCTAACCTCACCTTCGAGCAGCTTCGTAGCTTGATGGAAAGCTTACCGGGAAG  
G H A N L T F E Q L R S L M E S L P G K  
970 990 1010  
AAAGTGGGAGCAGAAGACATTGAAAAACAATAAAGGCATGCAACCCAGTGACCAGATC  
K V G A E D I E K T I K A C K P S D Q I  
1030 1050 1070  
CTGAAGCTGCTCAGTTTGTGGCGAATAAAAAATGGCGACCAAGACACCTTGAAGGGCCTA  
L K L L S L W R I K N G D Q D T L K G L  
1090 1110 1130  
ATGCACGCACTAAAGCACTCAAAGACGTACCACCTTTCCCAAACTGTCACTCAGAGTCTA

FIGURE 1(A)

M H A L K H S K T Y H F P K T V T Q S L  
1150 1170 1190  
AAGAAGACCATCAGGTTCCCTTCACAGCTTCACAATGTACAAATTGTATCAGAAGTTATTT  
K K T I R F L H S F T M Y K L Y Q K L F  
1210 1230 1250  
TTAGAAATGATAGGTAACCAGGTCCAATCAGTAAAAATAAGCTGCTTATAACTGGAAATG  
L E M I G N Q V Q S V K I S C L \*  
1270 1290 1310  
GCCATTGAGCTGTTTCCTCACAATTGGCGAGATCCCATGGATGAGTAAACTGTTTCTCAG  
1330 1350 1370  
GCACTTGAGGCTTTCAGTGATATCTTTCTCATTACCAGTGACTAATTTTGCCACAGGGTA  
1390 1410 1430  
CTAAAAGAAACTATGATGTGGAGAAAGGACTAACATCTCCTCCAATAAACCCCAAATGGT  
1450 1470 1490  
TAATCCAAGTGCAGATCTGGATCGTTATCTACTGACTATATTTTCCCTTATTACTGCTT  
1510  
GCAGTAATTCAACTGGAAAAAAAAAAAA

FIGURE 1(B)

00570-034500

10 30 50  
 ATGAACAAGTTGCTGTGCTGCGCGCTCGTGTCTTCTGGACATCTCCATTAAGTGGACCACC  
 M N K L L C C A L V F L D I S I K W T T  
 70 90 110  
 CAGGAAACGTTTCTCCTCAAAGTACCTTCATTATGACGAAGAAACCTCTCATCAGCTGTTG  
 Q E T F P P K Y L H Y D E E T S H Q L L  
 130 150 170  
 TGTGACAAATGTCTCCTGGTACCTACCTAAAACAACACTGTACAGCAAAGTGGAAGACC  
 C D K C P P G T Y L K Q H C T A K W K T  
 190 210 230  
 GTGTGCGCCCCCTTGCCCTGACCACTACTACACAGACAGCTGGCACACCCAGTGACGAGTGT  
 V C A P C P D H Y Y T D S W H T S D E C  
 250 270 290  
 CTATACTGCAGCCCCGTGTGCAAGGAGCTGCAGTACGTCAAGCAGGAGTGCAATCGCACC  
 L Y C S P V C K E L Q Y V K Q E C N R T  
 310 330 350  
 CACAACCGCGTGTGCGAATGCAAGGAAGGGCGCTACCTTGAGATAGAGTTCTGCTTGAAA  
 H N R V C E C K E G R Y L E I E F C L K  
 370 390 410  
 CATAGGAGCTGCCCTCCTGGATTGAGTGGTGCAAGCTGGAACCCAGAGCGAAATACA  
 H R S C P P G F G V V Q A G T P E R N T  
 430 450 470  
 GTTTGCAAAAGATGTCCAGATGGGTTCTTCTCAAATGAGACGTCATCTAAAGCACCTGT  
 V C K R C P D G F F S N E T S S K A P C  
 490 510 530  
 AGAAAAACACACAAATTGCAGTGTCTTTGGTCTCCTGCTAACTCAGAAAGGAAATGCAACA  
 R K H T N C S V F G L L L T Q K G N A T  
 550 570 590  
 CACGACAACATATGTTCCGGAACAGTGAATCAACTCAAAAATGTGGAATAGATGTTACC  
 H D N I C S G N S E S T Q K C G I D V T  
 610 630 650  
 CTGTGTGAGGAGGCATTCCTCAGGTTTGTCTTCTTACAAAGTTTACGCCTAACTGGCTT  
 L C E E A F F R F A V P T K F T P N W L  
 670 690 710  
 AGTGTCTTGGTAGACAATTGCTGCTGGCACCAAAGTAAACGCAGAGAGTGTAGAGAGGATA  
 S V L V D N L P G T K V N A E S V E R I  
 730 750 770  
 AAACGGCAACACAGCTCACAAGAACAGACTTTCCAGCTGCTGAAGTTATGGAACATCAA  
 K R Q H S S Q E Q T F Q L L K L W K H Q  
 790 810 830  
 AACAAAGACCAAGATATAGTCAAGAAGATCATCCAAGATATTGACCTCTGTGAAAACAGC  
 N K D Q D I V K K I I Q D I D L C E N S  
 850 870 890  
 GTGCAGCGGCACATTGGACATGCTAACCTCACCTTCGAGCAGCTTCGTAGCTTGATGGAA  
 V Q R H I G H A N L T F E Q L R S L M E  
 910 930 950  
 AGCTTACCGGGAAAGAAAGTGGGAGCAGAAGACATTGAAAAACAATAAAGGCATGCAAA  
 S L P G K K V G A E D I E K T I K A C K  
 970 990 1010  
 CCCAGTGACCAGATCCTGAAGCTGCTCAGTTTGTGGCGAATAAAAAATGGCGACCAAGAC  
 P S D Q I L K L L S L W R I K N G D Q D  
 1030 1050 1070  
 ACCTTGAAGGGCCTAATGCACGCACTAAAGCACTCAAAGACGTACCACTTTCCCAAAACT  
 T L K G L M H A L K H S K T Y H F P K T  
 1090 1110 1130  
 GTCACCTCAGAGTCTAAAGAAGACCATCAGGTTCTTCACAGCTTCACAATGTACAAATTG  
 V T Q S L K K T I R F L H S F T M Y K L  
 1150 1170

FIGURE 2(A)





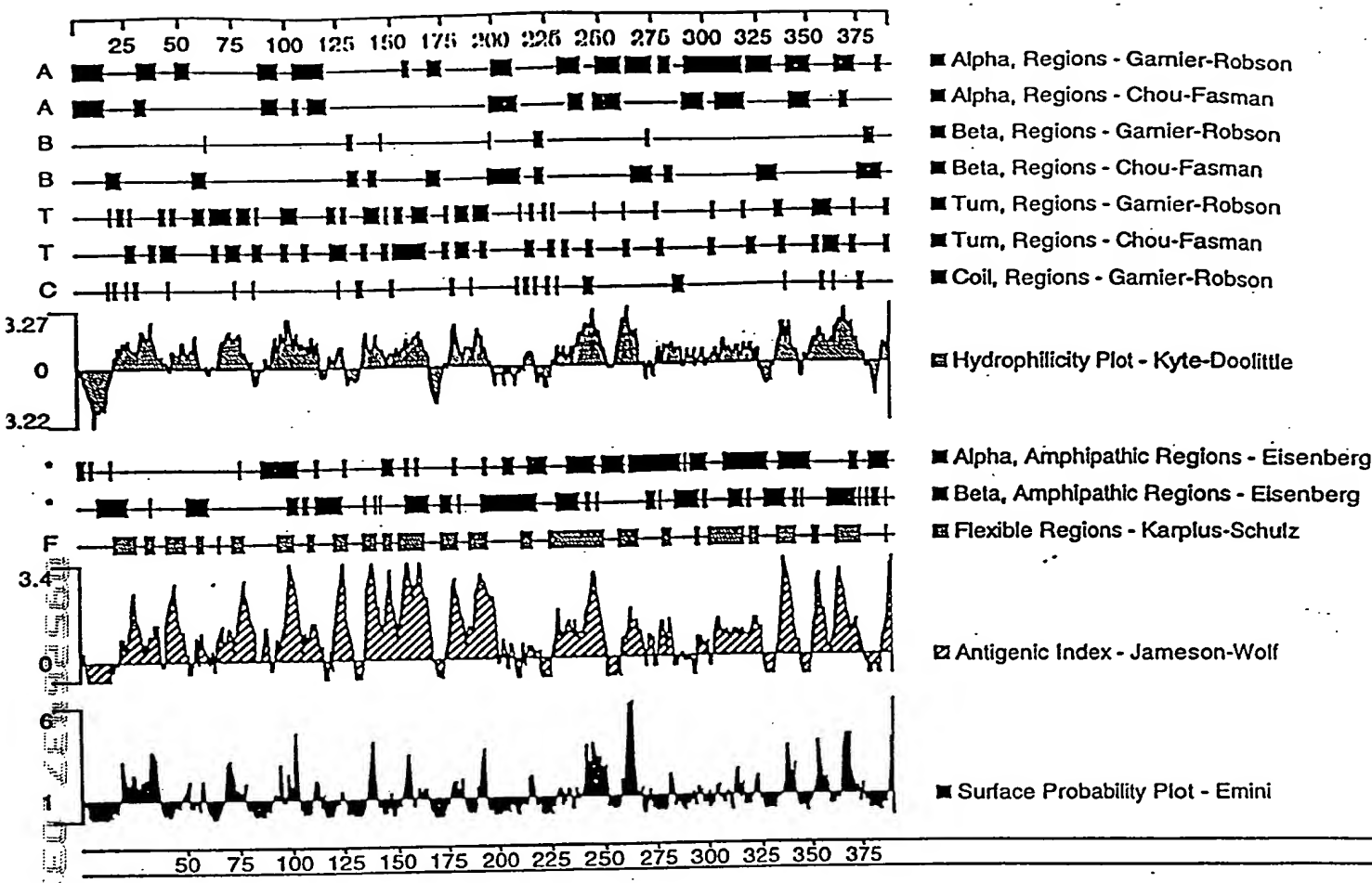


FIGURE 4

Goat anti-human sTNFR I has cross-reactivity to HSABH13

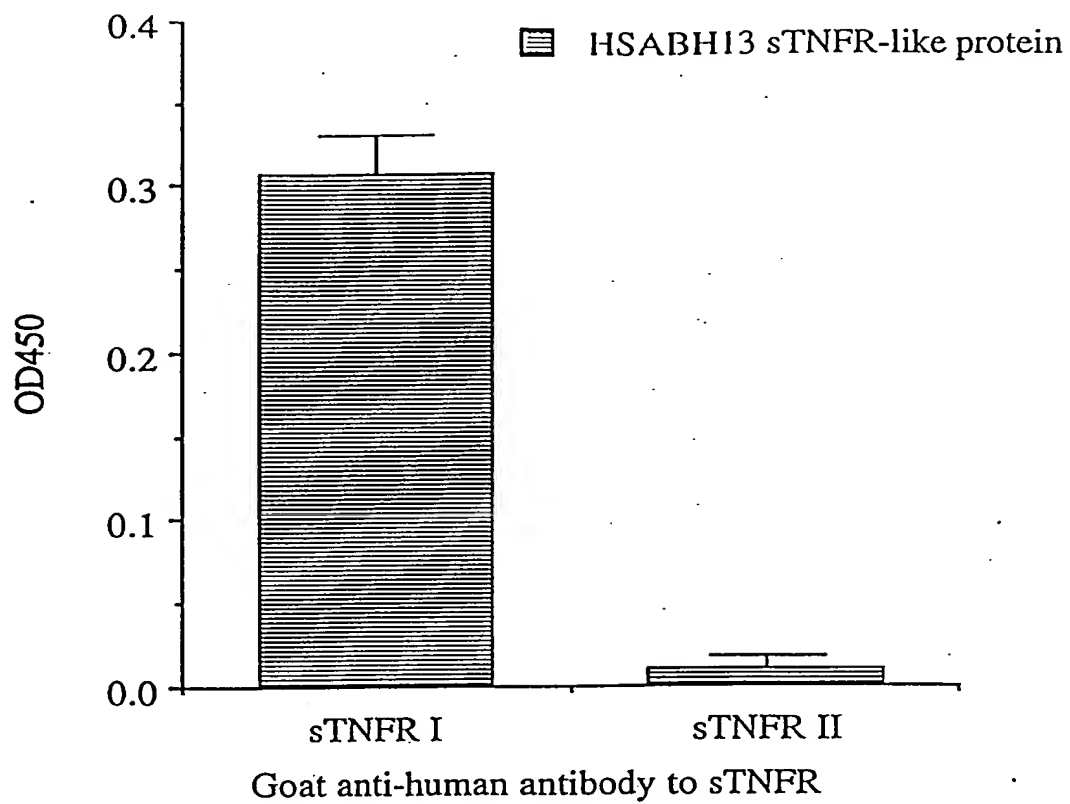
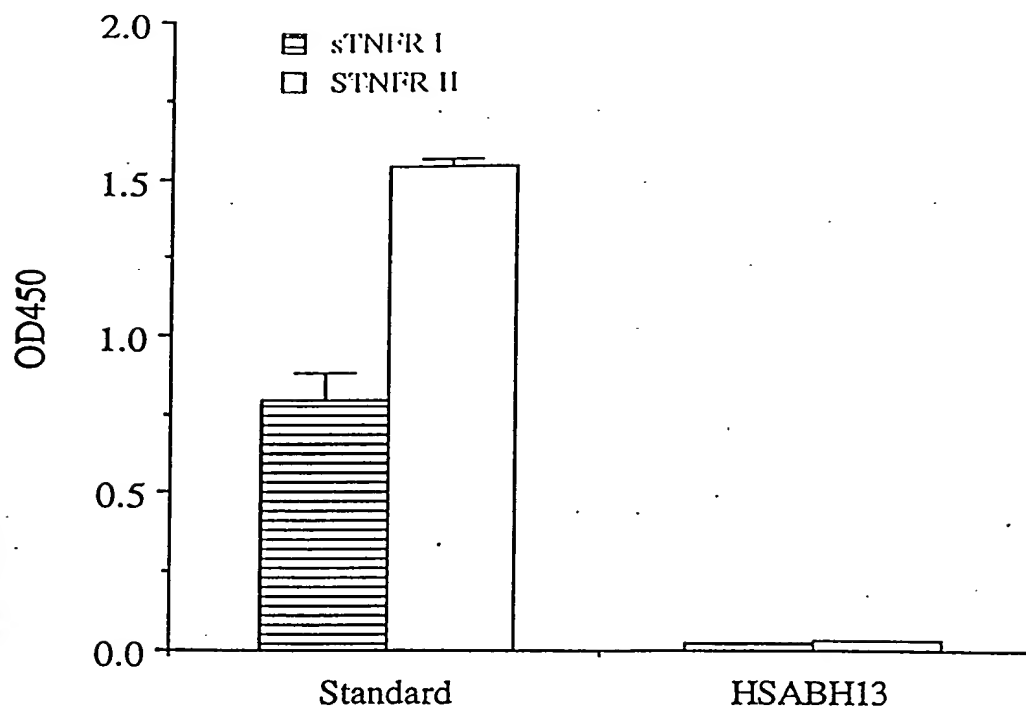


FIGURE 5

HSABH13 does not bind to the mAb to sTNFR I or sTNFR II



ELISA Assay (plate coated with mAb to sTNFR I or sTNFR II)

FIGURE 6



TNF-beta has higher affinity to HSABH13 than TNF-alpha,  
and HUVEO19 does not inhibit the binding

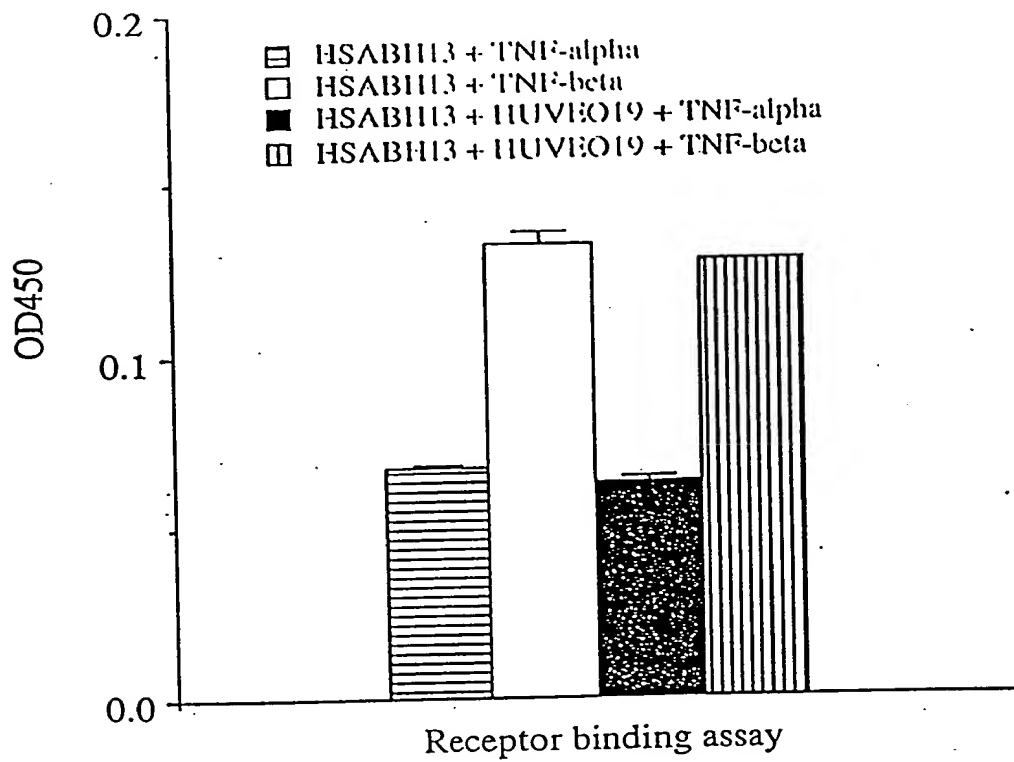


FIGURE 7

HSABH13 does not compete with sTNFR I to bind TNF-alpha,  
may compete with sTNFR II to bind TNF-alpha

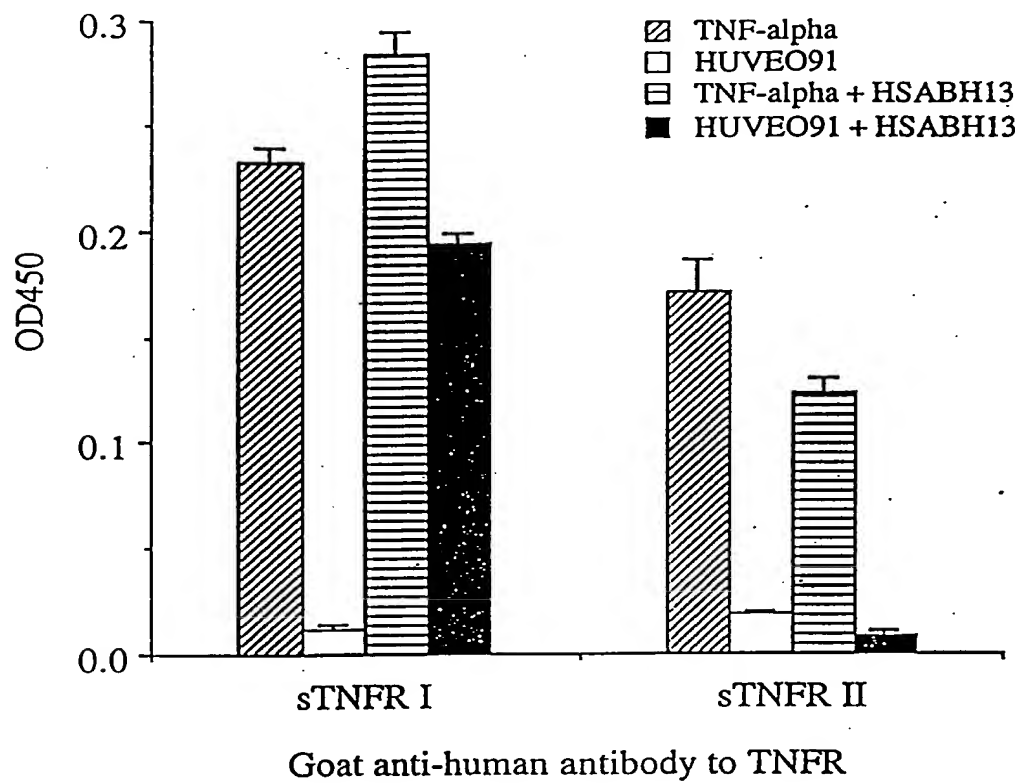
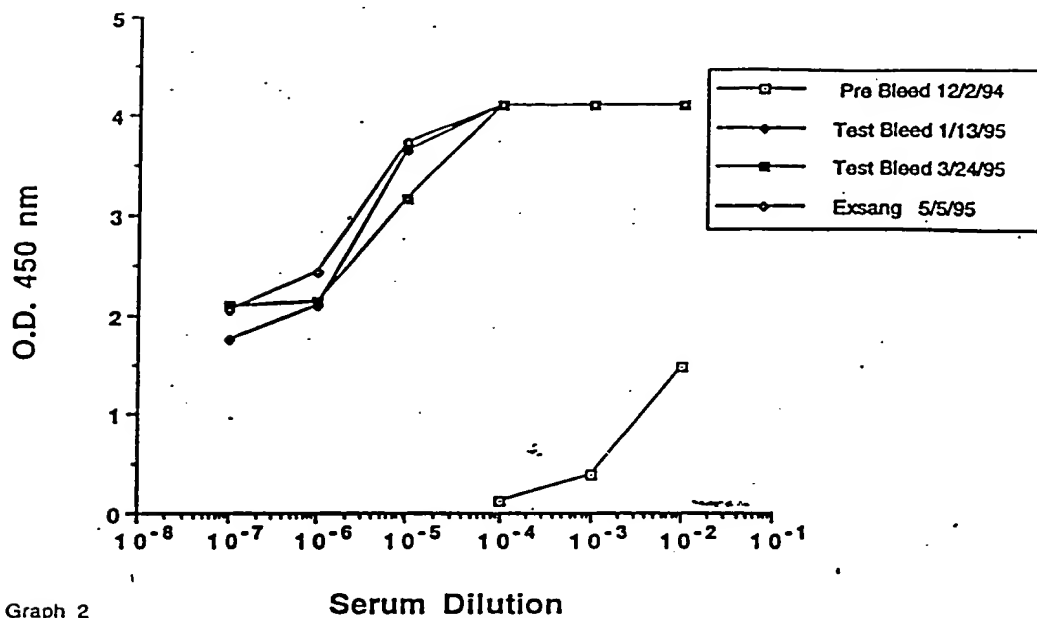


FIGURE 8

# Titer of Rabbit #11509 Tested Against TNFr Batch HG02900-1-B



# Titer of Rabbit #11508 Tested Against TNFr Batch HG02900-1-B

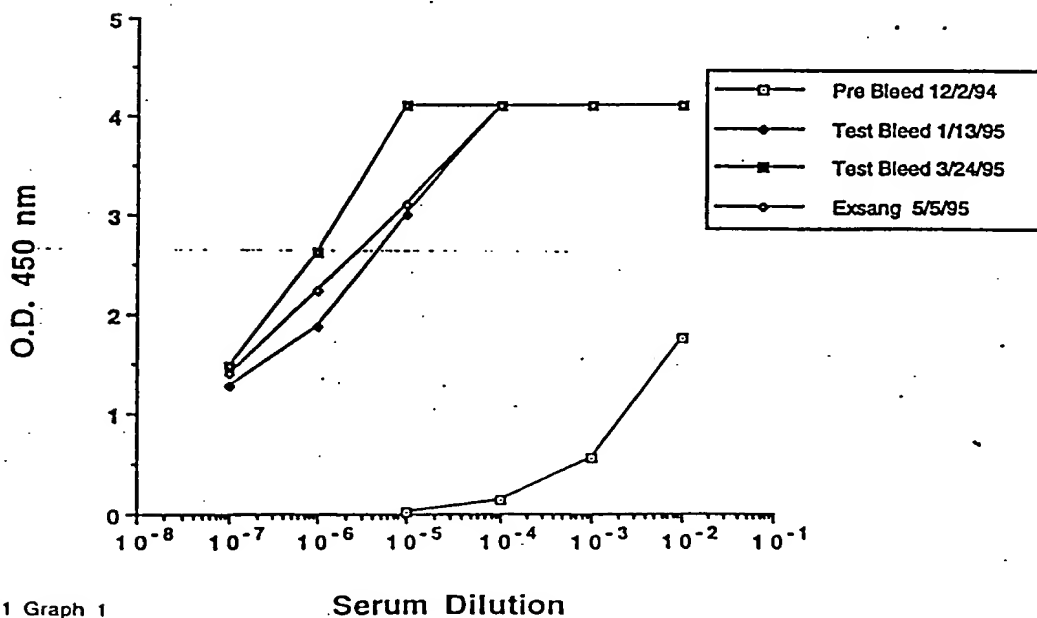


FIGURE 9